

Converting Colors

XYZ(45.7361, 27.8395, 10.8671)

Have a look what the booklet for
XYZ(45.7361, 27.8395, 10.8671)
contains.

XYZ(45.7803, 27.9038, 10.9557)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(45.7803, 27.9038,
10.9557)**

Conversions

Conversions Part 1

Format	Color
Hex	FF5252
RGB	255, 82, 82
RGB Percent	100%, 32%, 32%
CMY	0.0000, 0.6784, 0.6784
CMYK	0.00, 0.68, 0.68, 0.00
HSL	0°, 100%, 66%
HSV	0°, 68%, 100%
XYZ	45.7803, 27.9038, 10.9557
YIQ	133.7270, 103.1080, 36.6760

Conversions

Conversions Part 2

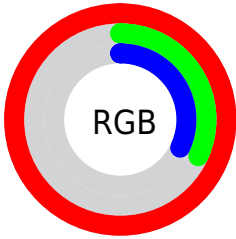
Format	Color
R_{YB}	255, 82, 82
Decimal	16732754
CIE _{Lab}	59.80, 65.21, 37.67
CIE _{LCh}	60, 75.305, 30.015
Yxy	27.9038, 0.5409, 0.3297
Android (android.graphics.Color)	4294922834 (0xFFFF5252)
YUV	133.7270, -25.5014, 106.3564
Hunter-Lab	52.8240, 62.2561, 24.6801

Details

The XYZ color **45.7803, 27.9038, 10.9557** is a dark color, and the websafe version is hex **FF6666**. The color can be described as middle muted red. A complement of this color would be **57.2859, 80.5264, 107.1310**, and the grayscale version is **22.6254, 23.8037, 25.9223**.

A 20% lighter version of the original color is **54.7829, 41.6821, 26.9879**, and **21.8198, 11.2099, 2.7640** is the 20% darker color. If you saturate the color by 10%, you get **43.4051, 24.4287, 6.2334**, and if you desaturate by 10%, it is **49.2310, 32.9540, 17.8144**.

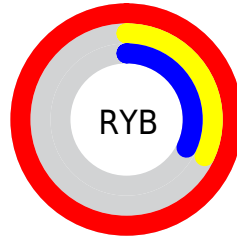
Distribution



Red (100%)

Green (32%)

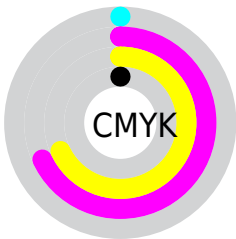
Blue (32%)



Red (100%)

Yellow (32%)

Blue (32%)

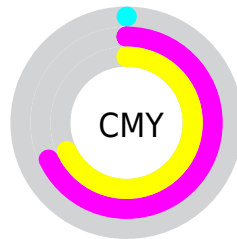


Cyan (0%)

Magenta (68%)

Yellow (68%)

Black (0%)



Cyan (0%)


Magenta (68%)


Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.7803, 27.9038, 10.9557 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 45.7803, 27.9038, 10.9557 by changing the saturation by 10% instead.


 45.7803, 27.9038,
10.9557


 45.7803, 27.9038,
10.9557


360.6554,
292.0070, 208.0899


 32.2764, 18.2532,
5.9233


 83.1200, 56.3308,
28.2136


 21.7293, 11.1319,
2.7304


 107.6864, 75.8760,
41.2762


 13.7736, 6.1556,
0.9587


 136.6711, 99.4881,
57.8525

 8.0440, 2.9399,
0.0000

 170.4394,
127.5516, 78.3612

 4.1752, 1.1005,
0.0000

 209.3566,
160.4508, 103.2207

 1.8017, 0.0000,
0.0000

253.7881,

 0.5187, 0.0000,

198.5702, 132.8496

0.0000

304.0993,
242.2941, 167.6665

■ 0.0000, 0.0000,
0.0000

■ 45.7803, 27.9038,
10.9557

■ 45.7803, 27.9038,
10.9557

■ 43.4051, 24.4287,
6.2334

■ 49.2310, 32.9540,
17.8144

■ 41.9775, 22.3396,
3.3959

■ 53.8621, 39.7307,
27.0204


■ 41.3298, 21.3917,
2.1086

■ 59.7679, 48.3727,
38.7608

■ 41.2399, 21.2602,
1.9300

■ 67.0330, 59.0036,
53.2034

■ 75.7346, 71.7364,
70.5018

 85.9440, 86.6756,
90.7978

95.0498, 99.9999,
108.9000

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



49.4111, 27.9038, 30.3686



45.7803, 27.9038, 10.9557



36.7828, 27.9038, 3.8189

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



45.7803, 27.9038, 10.9557



13.5979, 27.9038, 10.9679



26.5266, 27.9038, 118.9749

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



45.7803, 27.9038, 10.9557



57.2859, 80.5264, 107.1310

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



18.3720, 27.9038, 102.3520



45.7803, 27.9038, 10.9557



12.0855, 27.9038, 30.3964

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



45.7803, 27.9038, 10.9557



18.3654, 27.9038, 3.8224



13.6010, 27.9038, 64.9539



36.7932, 27.9038, 102.3207

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



45.7803, 27.9038, 10.9557



29.8301, 27.9038, 2.4585



13.6010, 27.9038, 64.9539



23.4675, 27.9038, 117.0096

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



45.7809, 27.9054, 10.9561



73.7327, 68.8069, 66.5217



62.3070, 34.5145, 97.9852



15.2457, 13.9430, 13.1726



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



45.7809, 27.9054, 10.9561



42.8588, 23.6291, 5.1472



56.8579, 50.0593, 14.6485



18.0096, 17.9873, 18.6670



21.5489, 11.1091, 1.0085



2.0982, 1.0817, 0.0982

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



57.2859, 80.5264, 107.1310



55.0461, 79.3710, 107.0266



35.6247, 37.2041, 99.9107



18.5548, 20.4813, 23.2253



28.1142, 41.1380, 55.8932



2.7374, 4.0055, 5.4421

Previews

White Background



This preview shows how the XYZ color 45.7803, 27.9038, 10.9557 looks on a white background.

Color Contrast Check

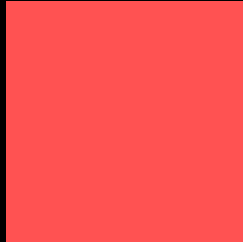
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 45.7803, 27.9038, 10.9557 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.7803, 27.9038, 10.9557

Background



This preview shows how black text looks on a background with the XYZ color 45.7803, 27.9038, 10.9557.



This preview shows how white text looks on a background with the XYZ color 45.7803, 27.9038,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

45.7803, 27.9038, 10.9557

Protanopia

26.0406, 27.9350, 17.3841

Deuteranopia

28.4755, 27.8242, 10.0007



Tritanopia

45.9370, 27.9665, 11.7810

Trichromacy



Original Color

45.7803, 27.9038, 10.9557

Protanomaly

30.4809, 25.6142, 14.6468

Deuteranomaly

33.1194, 26.3662, 10.1811

Tritanomaly

45.8970, 27.9505, 11.5703

Monochromacy



Original Color

45.7803, 27.9038, 10.9557

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

27.5853, 22.9642, 19.1983

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.7803, 27.9038, 10.9557 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(255, 82, 82)` looks like.

```
.text, #text, p{  
    color:rgb(255, 82, 82)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(255, 82, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 82, 82) }
```

Border

The CSS property to change the border of an element to XYZ 45.7803, 27.9038, 10.9557 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 82, 82) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(255, 82, 82) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(255, 82, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 82, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 82, 82);  
box-shadow:4px 4px 4px 4px rgb(255, 82,  
82) }
```

Background

The CSS property to change the background color of an element to XYZ 45.7803, 27.9038, 10.9557 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 82, 82) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(255, 82,  
82) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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